

Patent Abstracts of Japan

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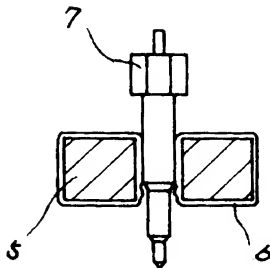
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TITLE : ROTOR



ABSTRACT : **PURPOSE:** To prevent the breakage of a permanent magnet without using a magnetic frame as well as to contrive the miniaturization and thinning of the subject rotor by a method wherein a metal-plated layer is provided on the surface of the permanent magnet on a rotor equipped with the permanent magnet and through the intermediary of this metal-plated layer, the rotating shaft is press-fitted and fixed in the center hole.

CONSTITUTION: The metal-plate layer 6 is provided on the surface of the cylindrical permanent magnet 5, having the center hole, of the rotor equipped with the permanent magnet 5 using a relatively soft material such as gold and copper, and through the intermediary of this metal-plated layer 6, the rotating shaft 7 is press-fitted and fixed in the center hole of the permanent magnet. Through these procedures, no breakage of the permanent magnet 5 is generated when the rotating shaft is press-fitted without using a magnetic frame and the miniaturization and thinning of the rotor can be accomplished. Also, the mass productivity of the rotor can be improved.

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